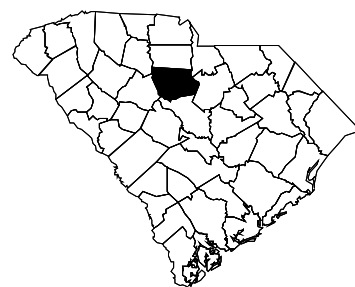


# IMPACT OF CHRONIC CONDITIONS FAIRFIELD County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Fairfield county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Fairfield county's population is similar to the state population. The majority (35%) of the population in Fairfield county are between the ages of 18-44, and there are more females (52%) than males (48%). Fairfield county has a higher minority population (58%) than the state (31%). When adults in DHEC's Region 3 which includes Fairfield County, were asked about their general health status, 85.5% reported having excellent, very good, or good health in 2005 (SC was 82%).

	FAIRFIELD COUNTY	STATE
<b>Population size</b>	24,047	4,255,083
<b>Age distribution (%)</b>		
<18	24	24
18-44	35	38
45-64	27	25
65-84	12	11
85+	2	2
<b>Race (%)</b>		
White	42	69
Black & Other	58	31
<b>Sex (%)</b>		
Male	48	49
Female	52	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Fairfield County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	23	22
Sedentary lifestyle	24	26
Overweight	63	65
High Cholesterol	36	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

<b>HYPERTENSION AND HYPERTENSIVE DISEASE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	29.9	.	.	.	.	31.7
Number of hospitalizations	33	26	6	13	20	5,032
Crude rate of hospitalizations (per 100,000)	137	185	60	113	160	118
Median age of hospitalized patients	52	52	62	50	57	57
Total cost of hospitalization (\$)	461,400	313,300	148,100	161,600	299,800	109,400,500
Average length of hospital stay (days)	3	3	4	3	4	5
Number of ED visits	47	39	8	20	27	7,466
Crude rate of ED visits (per 100,000)	195	278	80	174	215	175
Median age of ED patients	47	47	72	50	47	52
Total cost of ED visits (\$)	40,300	35,300	5,000	17,700	22,600	9,929,000
Number of deaths**	3	2	1	2	1	423
Age-Adjusted Death rate (per 100,000)**	12	18	7	18	6	10

<b>DISEASES OF THE HEART</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.6	.	.	.	.	4.1
Number of hospitalizations	345	183	162	170	175	60,901
Crude rate of hospitalizations (per 100,000)	1,435	1,302	1,620	1,477	1,396	1,431
Median age of hospitalized patients	67	72	67	67	72	67
Total cost of hospitalization (\$)	12,069,900	6,564,300	5,505,600	6,675,400	5,394,500	2,286,836,400
Average length of hospital stay (days)	5	5	4	5	4	5
Number of ED visits	161	89	72	64	97	12,989
Crude rate of ED visits (per 100,000)	670	633	720	556	774	305
Median age of ED patients	67	67	67	57	72	62
Total cost of ED visits (\$)	342,900	180,800	162,100	162,100	180,800	42,115,900
Number of deaths**	70	40	30	34	36	9,328
Age-Adjusted Death rate (per 100,000)**	267	327	215	293	242	218

<b>STROKE</b>	<b>County</b>					<b>State</b>
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.9	.	.	.	.	3
Number of hospitalizations	68	37	31	30	38	13,925
Crude rate of hospitalizations (per 100,000)	283	263	310	261	303	327
Median age of hospitalized patients	77	77	72	72	77	72
Total cost of hospitalization (\$)	1,252,300	593,300	659,000	613,500	638,800	384,441,600
Average length of hospital stay (days)	5	5	5	5	5	6
Number of ED visits	24	13	11	12	12	2,515
Crude rate of ED visits (per 100,000)	100	93	110	104	96	59
Median age of ED patients	67	67	67	62	72	67
Total cost of ED visits (\$)	47,600	23,600	24,000	24,300	23,300	9,113,000
Number of deaths**	14	12	2	7	7	2,440
Age-Adjusted Death rate (per 100,000)**	56	105	15	70	48	59

<b>CHRONIC OBSTRUCTIVE PULMONARY DISEASE</b>	<b>County</b>					<b>State</b>
	<b>Total</b>	<b>Blacks</b>	<b>Whites</b>	<b>Males</b>	<b>Females</b>	<b>Total</b>
Number of hospitalizations	104	44	60	44	60	15,753
Crude rate of hospitalizations (per 100,000)	432	313	600	382	479	370
Median age of hospitalized patients	67	55	67	67	62	62
Total cost of hospitalization (\$)	1,153,000	421,200	731,800	378,200	774,800	268,425,300
Average length of hospital stay (days)	4	4	4	3	5	5
Number of ED visits	557	390	167	236	321	36,543
Crude rate of ED visits (per 100,000)	2,316	2,776	1,671	2,050	2,561	859
Median age of ED patients	37	37	42	32	37	37
Total cost of ED visits (\$)	408,800	270,600	138,200	165,600	243,200	40,613,700
Number of deaths**	18	9	9	10	8	1,968
Age-Adjusted Death rate (per 100,000)**	71	80	65	100	54	46

<b>DIABETES</b>	<b>County</b>					<b>State</b>
	<b>Total</b>	<b>Blacks</b>	<b>Whites</b>	<b>Males</b>	<b>Females</b>	<b>Total</b>
Prevalence (%)*	9.8	.	.	.	.	10.3
Number of hospitalizations	46	33	13	25	21	9,027
Crude rate of hospitalizations (per 100,000)	191	235	130	217	168	212
Median age of hospitalized patients	52	57	52	52	57	52
Total cost of hospitalization (\$)	685,900	550,700	135,200	376,900	309,000	179,747,700
Average length of hospital stay (days)	6	7	5	6	6	6
Number of ED visits	94	66	28	34	60	9,603
Crude rate of ED visits (per 100,000)	391	470	280	295	479	226
Median age of ED patients	52	57	47	45	62	52
Total cost of ED visits (\$)	100,000	73,600	26,400	40,000	60,000	13,447,300
Number of deaths**	6	3	3	2	4	1,183
Age-Adjusted Death rate (per 100,000)**	24	25	23	16	28	27

<b>ALL CANCERS</b>	<b>County</b>					<b>State</b>
	<b>Total</b>	<b>Blacks</b>	<b>Whites</b>	<b>Males</b>	<b>Females</b>	<b>Total</b>
Number of hospitalizations	92	49	43	51	41	16,389
Crude rate of hospitalizations (per 100,000)	383	349	430	443	327	385
Median age of hospitalized patients	62	62	62	62	62	62
Total cost of hospitalization (\$)	4,748,500	2,734,300	2,014,200	3,262,900	1,485,600	664,309,500
Average length of hospital stay (days)	9	10	9	11	7	8
Number of deaths**	58	23	35	38	20	8,617
Age-Adjusted Death rate (per 100,000)**	222	190	244	355	133	196

<b>COLORECTAL CANCER</b>	<b>County</b>					<b>State</b>
	<b>Total</b>	<b>Blacks</b>	<b>Whites</b>	<b>Males</b>	<b>Females</b>	<b>Total</b>
Number of hospitalizations	15	12	3	12	3	2,070
Crude rate of hospitalizations (per 100,000)	62	85	30	104	24	49
Median age of hospitalized patients	62	62	47	62	67	67
Total cost of hospitalization (\$)	1,399,100	1,193,800	205,300	987,000	412,100	101,377,700
Average length of hospital stay (days)	16	17	11	13	28	10
Number of deaths**	9	4	5	8	1	812
Age-Adjusted Death rate (per 100,000)**	33	31	34	69	7	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	12	5	7	-	12	1,228
Crude rate of hospitalizations (per 100,000)	96	68	134	-	88	56
Median age of hospitalized patients	60	62	57	-	60	62
Total cost of hospitalization (\$)	274,800	102,100	172,700	-	274,800	26,163,000
Average length of hospital stay (days)	2	2	2	-	2	3
Number of deaths**	2	2	-	-	2	651
Age-Adjusted Death rate (per 100,000)**	13	27	-	-	13	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	-	-	-	-	-	192
Crude rate of hospitalizations (per 100,000)	-	-	-	-	-	9
Median age of hospitalized patients	-	-	-	-	-	47
Total cost of hospitalization (\$)	-	-	-	-	-	4,668,500
Average length of hospital stay (days)	-	-	-	-	-	4
Number of deaths**	-	-	-	-	-	63
Age-Adjusted Death rate (per 100,000)**	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	7	2	5	3	4	2,181
Crude rate of hospitalizations (per 100,000)	29	14	50	26	32	51
Median age of hospitalized patients	77	60	77	67	77	77
Total cost of hospitalization (\$)	262,800	73,300	189,500	88,000	174,800	92,775,300
Average length of hospital stay (days)	11	9	12	6	15	9
Number of deaths**	20	5	15	10	10	2,703
Age-Adjusted Death rate (per 100,000)**	76	41	106	81	67	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	9	6	3	9	-	1,209
Crude rate of hospitalizations (per 100,000)	78	89	63	106	-	58
Median age of hospitalized patients	62	62	57	62	-	62
Total cost of hospitalization (\$)	320,000	263,200	56,800	320,000	-	30,356,600
Average length of hospital stay (days)	5	6	3	5	-	4
Number of deaths**	4	2	2	4	-	460
Age-Adjusted Death rate (per 100,000)**	46	53	41	46	-	30

\*Prevalence at regional level

\*\*Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

#### For more information about

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